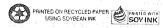
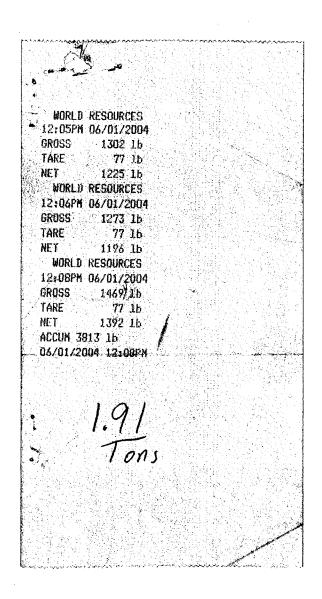
UNIFORM HAZARDOUS WASTE MANIFEST  3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124	. 2.	D		
3. Generator's Name and Mailing Address	3 0			n the shaded areas d by Federal law.
Alaskan Copper Works		State Manifest D	ocumer)	nt Number
1 P.O. Boy 35ZA Seattle WA 98124				
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4. Generator's Phone ( )			(A) 1.2	
5. Transporter 1 Company Name 6. US EPA ID Number 7. Transporter 2 Company Name 7. Transporter 2 Company Name 7. US EPA ID Number 7. US EPA ID Number		State Transporte		· 33 79 c s. 5
7 Transporter 2 Company Name UN 8 LISEPAID Number		State Transporte		100 - 321-1VE
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Designated Facility Name and Site Address     World Resources Company		State Facility's II		
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8113 W. Sherman Street Tolleson, Arizona 85353-4025 A Z D 9 8 0 7 3 5 5 0	H. F	acility's Phone	800-	-972-1955
A standard of the standard of		register self-	100	
1 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	ntainers I	13. Total	14. Unit	
No.	Туре	Quantity	Wt/Vo	1
RQ, Hazardous waste, solid, n.o.s.,				F006
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J. Additional Descriptions for Materials Listed Above	К. Н	andling Codes f	or Wast	es Listed Above
15.4 Special Handling Instructions and Additional Information 24-9300 CHEMTREC (Use (	HEMT!	REC compa		
15 <sub>2</sub> 4 <sup>Special Handling Instructions and Additional Information</sup> 24-9300 CHEMTREC (Use (Emergency call pager # 206-648-8423) Wear gloves & go	HEMT!	REC compa		
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15 <sub>2</sub> 4 <sup>Special</sup> Handling Instructions and Additional Information 124–9300 CHEMTREC (Use (Emergency call pager # 206–648–8423) Wear gloves & go P.D. #M 93445  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately desproper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for	Cribed abo	REC compai s		
15 <sub>24</sub> Special Handling Instructions and Additional Information 124–9300 CHEMTREC (Use (Emergency call pager # 206–648–8423) Wear gloves & go P.D. #M 93445  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately desproper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for according to applicable international and national government regulations.	CHEMT Degle	REC compai s	ny co	de "WORR")
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DIVIS CH 17 LABELMASTER (800) 621-5808 www.labelmaster.com

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete



ORIGINAL-RETURN TO GENERATOR



Ple	ese p	orint or type. (Form designed for use on elite (1)	2-pitch) typewriter.)				Form Approved. O	MB No. 20	50-0039.
		UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA WAD 9807	1D No. Mani 3 8 5 4 6 0 4	fest Iment No.	2. Pa	1 in not		the shaded areas by Federal law.
П	3.	Generator's Name and Mailing Address			,		ate Manifest Do	cument	Number
П		Alaskan Copper Works P.O. Box 3546, Seattle,	WA 98124		•		NAME OF TAXABLE PARTY.		
Ш	١.	ባለል ዓልሳ				B. St	ate Generator's	ID.	
Ш		Generator's Phone ( ) 302 Transporter 1 Company Name	6.	US EPA ID Numbe		C 64	ate Transporte	e in	
1	J.	in Travenzaries 1 2	■	D6635470					2 - 32 - 4 3
1	7.	Transporter 2 Company Name	ME 8.	US EPA ID Numbe		E. St	ate Transporter	's ID	<del>~ : 37/-/; 2</del>
Ш			, , , , , , , , , , , , , , , , , , ,			100000000000000000000000000000000000000	ansporter's Pho	4 10 10 10 10 10	
П	9.	Designated Facility Name and Site Address World Resources Company	ss 10.	US EPA ID Numbe	er	G. St	ate Facility's ID		
		8113 W. Sherman Street							e de la companya della companya della companya de la companya della companya dell
		Tolleson, Arizona 85353-	1025 IA Z	D 9 8 0 7 3 6	5 5 0 0	H. Fa	cility's Phone	800-	972-1955
Ш					12. Conta	1885 V. G.	12	1 4 4 1	
G E		US DOT Description (Including Proper Sh	pping Name, Hazard Cla	ss and ID Number)	No.	Type	13. Total Quantity	Unit Wt/Vol	Waste No.
N E R A	а.	RQ, Hazardous was (F006), 9, NA3077		.6.,	003	C F	Ø4057	P	F006
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7		Additional Descriptions for Materials Liste	anne Terres De las division. 41 de ciona de Colonia de Locales	iii a dan ii ii seta patti ana parti gareet aa aa aa aa aana aa			ndling Codes fo		
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	()	Angold Handling Instructions and Addition of the Emergency call pager # 20		OO CHEMTREC Wear glove				y cod	e "WORR")
		GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, r							
		according to applicable international and national g	•	a reduce the volume and	L toxicity of y	vaete de	paratad to the de	aroo I ho	so determined to be
		economically practicable and that I have select future threat to human health and the environment	ed the practicable method of	f treatment, storage, or o	disposal curr	ently ava	ailable to me which	n minimiz	es the present and
		the best waste management method that is available		1/2/2					
	1	Printed/Typed Name	6	Signature		-	)	A 1.	Month Day Year
¥	17	Transporter 1 Acknowledgement of Rece	int of Materials				The state of the s		<u>zderpidi</u>
Ř		Printed/Typed Name	Prof Materials	Signature			· · · · · · · · · · · · · · · · · · ·	Λ	Month Day Year
N S	,	KANDAL CROW		11/2	er al			ĺ	(5/2/2/2
ğ	18.	Transporter 2 Acknowledgement of Rece	ipt of Materials	1000					
TRANSPORTER		Printed/Typed Name		Signature				٨	Nonth Day Year
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FACILITY		Facility Owner or Operator: Certification	of receipt of hazardous r		this manife	st exce	pt as noted in It		
Y		Printed/Typed Name		Signature				·	Month Day Year
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GENERATOR COPY

WASTE MANIFEST WAD 9 8 0 7 3 8 5 4 6 6 3 1 Is not required:  3. Generator's Name and Mailing Address P.O. Box 3546 Seattle, P.O. Box 3546	ST WAD 980 73854 6 Document No. 3 A State Manifest Document No. 3 A State Manifest Document Number of State Manifest Document Number and State Manifest Document Number (State Manifest Docume	PB	Significant type. (Form designed for use on elite (12	-pitch) typewriter.)				Form Approved. O	WE INU. 203	50-0039.
A Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124 4. Generator's Phone (206) 382-6379 5. Transporter 1 Company Name 6. US EPA ID Number 7. Transporter 2 Company Name 9. Designated Facility Name and Site Address 10. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number 11. J. Transporter 2 Company Name 12. State Transporter's ID 13. W. Sherman Street 10. US EPA ID Number 13. State Transporter's ID 13. W. Sherman Street 10. US EPA ID Number 13. State Transporter's ID 14. Facility Name and Site Address 10. US EPA ID Number 13. State Transporter's ID 15. Transporter's Phone 17. State Transporter's ID 18. Transporter's Phone 19. Designated Facility Name and Site Address 10. US EPA ID Number 12. Container's ID 13. W. Sherman Street 10. In US EPA ID Number 12. Container's ID 13. W. Sherman Street 13. W. Sherman Street 14. State Transporter's ID 15. Transporter 2 Company Name 17. Transporter 2 Company Name 18. RQ, Hazardous waste, solid, n.o.s., (FOOG), 9, NA30777, III 19. Description (Including Proper Shipping Name, Hazard Class and ID Number) 15. Shessall Page 18. State Transporter's ID 16. GENERATOR'S CERTIFICATION: I hereby declare that the coments of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway second by explicate the international and national government regulations. 18. Transporter 2 control of the Company Code of the test waste management method that is available to me and that I can afford.  19. Discrepancy indication Space  19. Discrepancy indication Space  19. Discrepancy indication Space  19. Discrepancy indication Space	B. State Generator's ID  6. US EPA ID Number  6. US EPA ID Number  7. State Address  10. US EPA ID Number  8. State Transporter's ID  9. Transporter's Phone  12. State Facility's ID  13. Transporter's ID  14. Transporter's ID  15. Transporter's ID  15. Transporter's ID  15. Transporter's Phone  15. State Facility's ID  15. Transporter's ID  16. State Facility's ID  16. State Facility's ID  17. Transporter's ID  18. State Facility's ID  19. Transporter's ID  19. Transporter's ID  10. Transporter's ID			1. Generator's US EPA I  WAD 9807				*   ic not		
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Style CF 17 LABEL ASTER ® (800) 621-5808 www.labelmaster.com

"我会学学教育"

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.



FILE COPY OR STATE COPY

## **Material Safety Data Sheet**

MSDS ID # AZ-10-A

F006 Recyclable Material (Filter Cake)

Recycler:

World Resources Company

8113 West Sherman Street

Tolleson, Arizona 85353-4025

Tel: 602-233-9166 Fax: 623-936-9164

January 2004 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire or accident

(all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night,

Call: CHEMTREC 800-424-9300

Use CHEMTREC Company Code "WORR"

From other countries call: 703-527-3887

Material Identification

Section 1.

**EPA Waste Classification:** F006

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge

Chemical

Metallic (Hydroxide) Precipitates

Family:

Synonym:

Ingredient:

Non-ferrous Metal Hydroxide Filter Cake

**DOT Shipping Name:** 

RQ, Hazardous waste solid, n.o.s. (F006)

**DOT Hazard Class:** 

**DOT Packing Group:** 

**DOT Identification Number:** 

OSHA PEL (8hr TWA):

1.0 mg(Cu)/m3

Guide 171 of the North American Emergency Response Guidebook Applies

Section 2

Copper Hydroxide 20427-59-2 Nickel Hydroxide 12054-48-7 Calcium Hydroxide

1305-62-0 61790-53-2

**CAS Number:** 

0 - 300 - 15 0 - 150 - 10

Content (%):

1.0 mg(Ni)/m3

15.0 mg/m<sup>3</sup> 6.0 mg/m<sup>3</sup>

(Dust) (Dust) (Dust)

(Dust)

LD-50 1,000 mg/kg LD-50 1,500 mg/kg

LD-50 7,340 mg/kg LD-50 Not Determined

Hazardous Ingredients

Toxicology (rat, oral):

Section 3

Diatomite

Description: Solid, Clay-like, Gray/Green

to Brown, Moisture - 30 - 80%

Specific Gravity: 2.5 to 3.5 Solubility: Insoluble in Water Density:

50 - 90 lbs/ft3 Incompatible Reactivity:

Vapor Pressure: Insignificant Stability: Avoid Contact with Acids

Physical and Reactivity Data **Boiling Point: Melting Point:** 

Above 2,600°C Above 1,800°C Odor:

pH: 7.0 to 10.0 Polymerization:

Will Not Occur

Nil

Section 4 Flashpoint

Nonflammable

**Special Firefighting Procedures:** 

Decomposition (Due to Fire or Explosion):

Oxidation: **Explosive:** 

Non-oxidizing Non-explosive

NFPA Fire Diamond

Fire and Explosion Data

**Control Measures** 

Generator's Verification

Section 5

Listed Carcinogen Components:

Nickel

**Toxicology:** 

Toxicity

Health Effects and First Aid

See Sec. 2

None Known

Route of Entry:

Inhalation, Ingestion

Section 6

Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms,

Inhalation: Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eves: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin with prolonged contact. Wash with soap and water.

Comments:

Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body systems - blood, digestive, respiratory, liver, kidneys and skin.

Section 7

Precautions for Safe Handling

Handling:

Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.

Storage:

Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain.

Spills:

Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to World Resources Company at the above address.

Section 8

**Eve Protection:** 

Safety glasses recommended.

Other Protective **Equipment**:

**Respiratory Protection:** 

Coveralls are recommended, but not required.

NIOSH-MSHA approved respirators as required.

Hand Protection:

Gloves recommended.

Section 9

Telephone:

This MSDS describes the material listed in the attached Manifest #:

Company Name:

Alaskan Copper Works

Company Address: P.O. Box 3546, Seattle, WA 98124

206-382-8379

26-04 Date:

Signature: 4



# WORLD RESOURCES COMPANY

In partnership with the environment







ISO 9001:2000 & 14001 Certified Recycling Facility

# F005

A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, the Generator should check the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation—and, typically, State analogues as well—requires the retention period to be extended further in specified cases.

To:	WORLD RESOURCE	CES COMPANY	8113 We	st Shermo	ın Street, Tolles	on AZ 85353-	4025	$\neg$
From:	COMPANY NAME: Alaskan Copper Worl	CS .	P.O. Box 3		, WA 98124			
	NIFEST DY	DD 3		DATE SHIPME		6-04		
The	This shipmen e applicable land d	t of material is su lisposal restriction	bject to the informations is as shown	n, provide	ed in accordance	of 40 CFR Pace with 40 CF	art 268. R §268.7(a)(2),	
		EPA Material Number F006	Treatab Greu non-waste	p	CFR Referen Treatment Sta 40 CFR §20	nodards		
SIGN	NATURE:			ТІТІ	E: Envir	o. tech.		
NAME P	RINTED: QEL	ACD Thom	P502	DAT	E: 5-20	5-04		
In	structions fo	r Completio	n of this l	Land Di	sposal Res	triction No	<b>DUCC</b> [LDRN]	

This LDRN has been prepared based on a listed material.—F006—as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

An F006 designation on the LDRN includes the following constituents: cadmium [D006], chromium [D007], lead [D008], silver [D011], cyanide, and nickel. However, the designation does not include arsenic [D004], barium [D005], mercury [D009], or selenium [D010]. If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below [as stated in 40 CFR §268.9].

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then no additional entry is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) must be added to the LDR Notice.

	E INFORMATION CHARACTERISTIC	APPI	ROPRIATE ENTRY ON L	DR NOTICE
Metal	Concentration Level	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
ARSENIC	5.0 mg/l	D004	non-wastewater	40 CFR §268.40
BARIUM	100 mg/l	D005	non-wastewater	40 CFR §268.40
MERCURY	.02 mg/l	D009	non-wastewater	40 CFR §268.40
SELENIUM	1.0 mg/l	D010	non-wastewater	40 CFR §268.40

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FOOG GENERATORS

#### MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III

NORTH AMERICAN **EMERGENCY** RESPONSE

### TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

#### POTENTIAL HAZARDS

#### **FIRE OR EXPLOSION**

- Some may burn, but none ignite readily.
- Some may polymenze (P) explosively when heated or involved in a fire.
- Containers may explode when neated.
- Some may be transported hot.

#### HEALTH

- 1.Inhalation of material may be harmful.
- 2.Contact may cause burns to skin and eyes.
- 3. Inhalation of Asbestos dust may have a damaging effect on the lungs.
- Fire may produce irritating, corrosive and/or toxic gases.
- 5. Runoff from fire control may cause pollution.

#### **PUBLIC SAFETY**

- 1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "WORR")
- 2 Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions
- 3. Keep unauthorized personnel away
- 4.Stay upwind.

#### PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- 2.Structural firefighters' protective clothing will only provide limited protection.

#### **EVACUATION**

#### Fire

1.If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

#### FIRE

#### **EMERGENCY RESPONSE**

#### Small Fires

1. Dry chemical CO2 water spray or regular foam

#### Large Fires:

- 1. Water spray, fog or regular foam
- 2. Move containers from fire area if you can do it without risk.
- 3.Do not scatter spilled material with high pressure water streams.
- 4. Dike fire-control water for later disposal

#### Fire Involving Tanks:

- 1. Cool containers with flooding quantities of water until well after fire is out.
- 2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- 3.ALWAYS stay away from the ends of tanks

#### SPILL OR LEAK

- 1.Do not touch or walk through soilled material
- Stop leak if you can do it without risk
- 3. Prevent dust cloud.
- 4. Avoid inhalation of aspestos dust.

#### **Small Dry Spills**

- 1. With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Small Spills
- 1. Take up with sand or other noncompustible absorbent material and place into containers for later disposal. Large Spills
- 1. Dike far ahead of liquid spill for later disposal.
- Cover powder spill with plastic sneet or tarp to minimize spreading.
   Prevent entry into waterways, sewers, pasements or confined areas.

#### FIRST AID

- Move victim to fresh air.
- 2.Call emergency medical care
- 3. Apply artificial respiration if victim is not breathing
- 4.Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- 6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- 7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Recycled Paper 02/09/2000



## GENERAL INTERNAL PURCHASE REQUISITION

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